Claim 1 (Previously Presented): A facsimile machine comprising:

a printer unit for printing out data having a predetermined format; and

interface means, coupled to said printer unit, for converting facsimile image data into recording data having a format in which said printer unit can input the recording data, and for supplying the recording data to said printer unit, wherein said printer unit comprises:

a printing portion for printing recording data; and

data supply control means, coupled to said interface means and said printer portion, for supplying the recording data from said interface means to said printing portion at predetermined printing intervals, wherein said data supply control means comprises:

input means for inputting a predetermined character data at the predetermined printing intervals;

gate means for gating the recording data from said interface means so that the recording data is supplied to said printing portion when the predetermined character data is supplied thereto from said input means; and

signal output means for outputting a control signal when said input means inputs the predetermined character data, the control signal being supplied to said interface means, and said interface means supplying the recording data to said printer unit every time said interface means receives the control signal.

Claim 2 (Original): The facsimile machine as claimed in claim 1, wherein said printer unit and said interface means are coupled to each other based on a centronics interface specification.

Claim 3 (Canceled).

Claim 4 (Currently Amended): The facsimile machine as claimed in claim [[3]] 1, wherein the predetermined character data indicates a font having only black dots.

Claim 5 (Original): The facsimile machine as claimed in claim 4, wherein said gate means has AND gates to each of which a corresponding one of bits of said predetermined character data and a corresponding one of bits of said recording data from said interface means are input.

Claim 6 (Currently Amended): The facsimile means machine as claimed in claim 1, further comprising:

a connector connected to said printer unit, through which connector recording data is supplied from an external unit to said printer unit; and

selecting means, coupled to said connector and said interface means, for selecting either a connection between said interface means and said printer unit or a connection between said connector and said printer unit.

Claim 7 (Currently Amended): The facsimile machine as claimed in claim [[3]] 1, wherein said interface means has loading means for loading the predetermined character data into said printer unit.

Claim 8 (Original): The facsimile machine as claimed in claim 7, wherein said loading means loads the predetermined character data into said printer unit when said printer unit is activated.

Claim 9 (Currently Amended): The facsimile machine as claimed in claim [[3]] 1, wherein said input means has converting means for converting the predetermined character data into black data indicating a font having only black dots, and wherein when the black data is supplied to said gate means, the recording data from said interface means is supplied to said printing portion via said gate means.

Claim 10 (Original): The facsimile machine as claimed in claim 9, wherein said converting means has OR gates to each of which a corresponding one of the bits of the predetermined character data and a bit indicating a black dot are input.

Claim 11 (Previously Presented): A facsimile machine comprising:

a printer unit printing out data supplied thereto; and

an interface, coupled to said printer unit supplying recording data to said printer unit in a converted format in which said printer unit can receive the recording data;

wherein said printer unit comprises:

a printing portion printing the recording data; and

a data supply controller, coupled to said interface and said printer portion, supplying the recording data from said interface to said printing portion at predetermined printing intervals, wherein said data supply controller comprises:

an input receiving a predetermined character data at the predetermined printing intervals;

a gate gating the recording data so that the recording data from said interface is supplied to said printing portion when the predetermined character data is supplied thereto from said input; and

a signal output outputting a control signal when said input inputs the predetermined

character data, the control signal being supplied to said interface, and said interface supplying

the recording data to said printer unit every time said interface receives the control signal.

Claim 12 (Previously Presented): The facsimile machine as claimed in claim 11,

wherein said printer unit and said interface are coupled to each other based on a Centronics

interface specification.

Claim 13 (Previously Presented): The facsimile machine as claimed in claim 11,

wherein said data supply controller comprises:

an input receiving a predetermined character data in synchronization with the printing

pulses provided at the predetermined printing intervals;

a gate gating the recording data so that the recording data from said interface is

supplied to said printing portion when the predetermined character data is supplied thereto

from said input; and

a signal output outputting a control signal when said input inputs the predetermined

character data, the control signal being supplied to said interface, and said interface supplying

the recording data to said printer unit every time said interface receives the control signal.

Claim 14 (Previously Presented): The facsimile machine as claimed in claim 11,

wherein the predetermined character data indicates a font having only black dots.

Claim 15 (Previously Presented): The facsimile machine as claimed in claim 14,

wherein said gate has AND gates to each of which a corresponding one of bits of said

predetermined character data and a corresponding one of bits of said recording data from said interface are input.

Claim 16 (Previously Presented): The facsimile machine as claimed in claim 11, further comprising:

a connector connected to said printer unit, through which connector recording data is supplied from an external unit to said printer unit; and

a selector, coupled to said connector and said interface, selecting either a connection between said interface and said printer unit or a connection between said connector and aid printer unit.

Claim 17 (Previously Presented): The facsimile machine as claimed in claim 11, wherein said interface loads the predetermined character data into said printer unit.

Claim 18 (Previously Presented): The facsimile machine as claimed in claim 17, wherein said interface loads the predetermined character data into said printer unit when said printer unit is activated.

Claim 19 (Previously Presented): The facsimile machine as claimed in claim 11, wherein said input converts the predetermined character data into black data indicating a font having only black dots, and wherein when the black data is supplied to said gate, the recording data from said interface is supplied to said printing portion via said gate.

Claim 20 (Previously Presented): The facsimile machine as claimed in claim 19, wherein said converter has OR gates to each of which a corresponding one of the bits of the predetermined character data and a bit indicating a black dot are input.

Claim 21 (Previously Presented): The facsimile machine as claimed in claim 11, wherein said interface performs a format conversion process to obtain the converted format.

Claim 22 (Previously Presented): A facsimile machine comprising:

a printer unit printing out data supplied thereto; and

an interface, coupled to said printer unit, supplying recording data to said printer unit

in a converted format in which said printer unit can receive the recording data;

wherein said printer unit comprises:

a printing portion printing the recording data as a plurality of dots; and

a data supply controller, coupled to said interface and said printer portion, supplying

the recording data from said interface to said printing portion in synchronization with printing

pulses provided at predetermined printing intervals.

Claim 23 (Previously Presented): A facsimile machine comprising:

a printer unit printing out data supplied thereto; and

an interface, coupled to said printer unit, supplying recording data to said printer unit

in a converted format in which said printer unit can receive the recording data;

wherein said printer unit comprises:

a printing portion including a carriage printing the recording data while the carriage is

moving in a first direction and a second direction opposite to the first direction, and

a data supply controller, coupled to said interface and said printer portion, supplying

the recording data from said interface to said printing portion in synchronization with printing

pulses provided at predetermined printing intervals.

Claim 24 (Previously Presented): A facsimile machine comprising:

a printer unit printing out data supplied thereto; and

an interface, coupled to said printer unit, supplying recording data to said printer unit

in a converted format in which said printer unit can receive the recording data;

wherein said printer unit comprises:

a printing portion printing the recording data and including a carriage which skips

over areas having no image; and

a data supply controller, coupled to said interface and said printer portion, supplying

the recording data from said interface to said printing portion in synchronization with printing

pulses provided at predetermined printing intervals.

Claim 25 (Previously Presented): A facsimile machine comprising:

a printer unit printing out data supplied thereto; and

an interface, coupled to said printer unit, supplying recording data to said printer unit

in a converted format in which said printer unit can receive the recording data;

wherein said printer unit comprises:

a printing portion storing the recording data in a memory and printing the stored

recording data; and

a data supply controller, coupled to said interface and said printer portion, initially

clearing the memory in the printing portion and then supplying the recording data from said

interface to said printing portion in synchronization with printing pulses provided at predetermined printing intervals.

Claim 26 (Previously Presented): A facsimile machine comprising:

a printer unit printing out data supplied thereto; and

an interface, coupled to said printer unit, supplying recording data to said printer unit in a converted format in which said printer unit can receive the recording data:

wherein said printer unit comprises:

a printing portion printing the recording data and including a font memory storing font data; and

a data supply controller, coupled to said interface and said printer portion, supplying the recording data from said interface to said printing portion in synchronization with printing pulses provided at predetermined printing intervals.

Claim 27 (Previously Presented): A facsimile machine comprising:

a printer unit for printing out data supplied thereto; and

interface means, coupled to said printer unit, for converting facsimile image data into recording data having a format in which said printer unit can input the recording data, and for supplying the recording data to said printer unit, wherein said printer unit comprises:

a printing portion for printing recording data as a plurality of dots; and

data supply control means, coupled to said interface means and said printer portion,

for supplying the recording data from said interface means to said printing portion in synchronization with printing pulses provided at predetermined printing intervals.

Claim 28 (Previously Presented): A facsimile machine comprising:

a printer unit for printing out data supplied thereto; and

interface means, coupled to said printer unit, for converting facsimile image data into recording data having a format in which said printer unit can input the recording data, and for supplying the recording data to said printer unit, wherein said printer unit comprises:

a printing portion including a carriage for printing recording data while a carriage is moving in a first direction and a second direction opposite to the first direction; and

data supply control means, coupled to said interface means and said printer portion,

for supplying the recording data from said interface means to said printing portion in synchronization with printing pulses provided at predetermined printing intervals.

Claim 29 (Previously Presented): A facsimile machine comprising:

a printer unit for printing out data supplied thereto; and

interface means, coupled to said printer unit, for converting facsimile image data into recording data having a format in which said printer unit can input the recording data, and for supplying the recording data to said printer unit, wherein said printer unit comprises:

a printing portion including a carriage for printing recording data while the carriage skips over areas having no image; and

data supply control means, coupled to said interface means and said printer portion,

for supplying the recording data from said interface means to said printing portion in synchronization with printing pulses provided at predetermined printing intervals.

Claim 30 (Previously Presented): A facsimile machine comprising:

a printer unit for printing out data supplied thereto; and

interface means, coupled to said printer unit, for converting facsimile image data into recording data having a format in which said printer unit can input the recording data, and for supplying the recording data to said printer unit, wherein said printer unit comprises:

a printing portion for storing the recording data in a memory printing recording data; and

data supply control means coupled to said interface means and said printer portion, for initially clearing the memory in the printing portion and then supplying the recording data from said interface means to said printing portion in synchronization with printing pulses provided at predetermined printing intervals.

Claim 31 (Previously Presented): A facsimile machine comprising:

a printer unit for printing out data supplied thereto; and

interface means, coupled to said printer unit, for converting facsimile image data into recording data having a format in which said printer unit can input the recording data, and for supplying the recording data to said printer unit, wherein said printer unit comprises:

a printing portion including a font memory storing font data and for printing recording data; and

data supplying control means, coupled to said interface means and said printer portion, for supplying the recording data from said interface means to said printing portion in synchronization with printing pulses provided at predetermined printing intervals.

Claim 32 (Currently Amended): A method for driving a facsimile machine including a printer unit for printing out data having a predetermined format, comprising the steps of:

converting facsimile image data into recording data having a format in which said printer unit can receive the recording data;

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supplying the recording data to said printing unit <u>in synchronization with printing</u>

<u>pulses provided</u> at predetermined printing intervals; and

printing the recording data with said printing unit;

wherein said step of supplying the recording data includes the substeps of:

inputting a predetermined character data at the predetermined printing

intervals;

gating the recording data so that the recording data is supplied to said printing

unit when the predetermined character data is supplied thereto from said inputting

step; and

outputting a control signal when said inputting step inputs the predetermined

character data, said step of supplying the recording data to the printer unit being based

on said control signal.

Claim 33 (Previously Presented): The method as claimed in claim 32, wherein in

said converting step the facsimile data is converted based on a Centronics interface

specification.

Claim 34 (Previously Presented): The method as claimed in claim 32, wherein said

step of supplying the recording data includes the substeps of:

inputting a predetermined character data at the predetermined printing intervals;

gating the recording data so that the recording data is supplied to said printing unit

when the predetermined character data is supplied thereto from said inputting step; and

outputting a control signal when said inputting step inputs the predetermined

character data, said step of supplying the recording data to the printer unit being based on

said control signal.

Claim 35 (Previously Presented): The method as claimed in claim 32, wherein in the step of supplying recording data the predetermined character data indicates a font having only black dots.

Claim 36 (Previously Presented): The method as claimed in claim 35, wherein in said substep of gating the recording data, the recording data is gated by AND gates to each of which a corresponding one of bits of said predetermined character data and a corresponding one of bits of said recording data are input.

Claim 37 (Previously Presented): The method as claimed in claim 32, further comprising the steps of:

supplying recording data from an external unit to said printer unit; and

selecting either the recording data supplied from the external unit or the recording data supplied from the step of converting facsimile image data to said printer unit.

Claim 38 (Previously Presented): The method as claimed in claim 32, wherein said step of converting facsimile image data loads the predetermined character data into said printer unit.

Claim 39 (Previously Presented): The method as claimed in claim 38, wherein said step of converting facsimile image data loads the predetermined character data into said printer unit when said printer unit is activated.

Claim 40 (Previously Presented): The method as claimed in claim 38, wherein said substep of inputting a predetermined character data converts the predetermined character data into black data indicating a font having only black dots, and wherein when the black data is supplied to said gating step, the recording data from said step of converting facsimile image data is supplied to said printing portion via said gating step.

Claim 41 (Previously Presented): The method as claimed in claim 40, wherein said substep of inputting a predetermined character data converts the predetermined character data by OR gates to each of which a corresponding one of the bit of the predetermined character data and a bit indicating a black dot are input.

Claim 42 (Previously Presented): A method for driving a facsimile machine including a printer unit for printing out data having a predetermined format, comprising the steps of:

converting facsimile image data into recording data having a format in which said printer unit can receive the recording data;

supplying the recording data to said printing unit in synchronization with printing pulses provided at predetermined printing intervals; and

printing the recording data as a plurality of dots with said printing unit.

Claim 43 (Previously Presented): A method for driving a facsimile machine including a printer unit for printing out data having a predetermined format, said printer unit including a carriage, comprising the steps of:

converting facsimile image data into recording data having a format in which said printer unit can receive the recording data;

supplying the recording data to said printing unit in synchronization with printing pulses provided at predetermined printing intervals; and

printing the recording data with said printing unit while said carriage is moving in a first direction and a second direction opposite to the first direction.

Claim 44 (Previously Presented): A method for driving a facsimile machine including a printer unit for printing out data having a predetermined format, said printer unit including a carriage, comprising the steps of:

converting facsimile image data into recording data having a format in which said printer unit can receive the recording data;

supplying the recording data to said printing unit in synchronization with printing pulses provided at predetermined printing intervals; and

printing the recording data while said carriage skips over areas having no image.

Claim 45 (Previously Presented): A method for driving a facsimile machine including a printer unit for printing out data having a predetermined format, said printer unit including a memory storing recording data, comprising the steps of:

converting facsimile image data into recording data having a format in which said printer unit can receive the recording data;

clearing the memory of said printer unit;

storing the recording data in the memory of said printer unit;

supplying the recording data to said printing unit in synchronization with printing pulses provided at predetermined printing intervals; and

printing the recording data with said printer unit.

Claim 46 (Previously Presented): A method for driving a facsimile machine including a printer unit for printing out data having a predetermined format, said printer unit including a font memory, comprising the steps of:

converting facsimile image data into recording data having a format in which said printer unit can receive the recording data;

supplying the recording data to said printing unit in synchronization with printing pulses provided at predetermined printing intervals; and

printing the recording data with said printer unit including said font memory.

Claim 47 (Previously Presented): A facsimile device comprising:

a modem unit which receives facsimile data from a public communication line;

a printer interface unit which serves as an interface for printing the facsimile data;

an external connector which receives character codes from an exterior of said facsimile device; and

a printer unit, wherein said printer unit includes:

a printing portion for printing images;

a font memory which stores therein font data;

a controller unit which controls the font memory,

a gate unit which receives the font data corresponding to the character codes from said controller unit, and supplies the font data corresponding to the character codes to said printing portion when said printer unit prints images of the character codes, wherein said gate unit receives all black font data from said controller unit and the facsimile data from said printer interface unit, and supplies a logical AND of the all black font data and the facsimile data to said printing portion when said printer unit prints images of the facsimile data.

Claim 48 (Previously Presented): A facsimile device as claimed in Claim 47, wherein said printer unit and said printer interface unit are coupled to each other based on a centronics interface specification.

Claim 49 (Previously Presented): A facsimile device as claimed in Claim 48, wherein said gate unit receives the facsimile data from said printer interface unit in synchronization with a pulse signal indicative of supplying the all black font data.

Claim 50 (Previously Presented): A method for driving a facsimile device including a modem unit which receives facsimile data from a public communication line, a printer interface unit which serves as an interface for printing the facsimile data, an external connector which receives character codes from an exterior of said facsimile device and a printer unit, wherein the printer unit includes a printing portion for printing images, a font memory which stores therein font data, a controller unit which controls the font memory, and a gate unit, the method comprising the steps of:

receiving, at the gate unit, facsimile data from the printer interface and font data corresponding to received character codes from said controller unit;

supplying from the gate unit, the font data corresponding to the character codes to the printing portion when the printer unit prints images of the character codes,

wherein in the receiving step the gate unit receives all black font data from said controller unit and the facsimile data from the printer interface unit, and

wherein in the supplying step the gate unit supplies a logical AND of the all black font data and the facsimile data to the printing portion when the printer unit prints images of the facsimile data.

Claim 51 (Previously Presented): A method as claimed in Claim 50, wherein said printer unit and said printer interface unit are coupled to each other based on a centronics interface specification.

Claim 52 (Previously Presented): A method as claimed in Claim 50, wherein in said receiving step the gate unit receives the facsimile data from said printer interface unit in synchronization with a pulse signal indicative of supplying the all black font data in said supplying step.